

WEST Search History

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DATE: Friday, October 01, 2004

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L20	L19 and dehydrating	0
<input type="checkbox"/>	L19	L16 and pore size\$1	2
<input type="checkbox"/>	L18	L16 and mesoporous and pore size\$1	0
<input type="checkbox"/>	L17	L16 and mesoporous same pore size\$1	0
<input type="checkbox"/>	L16	L15 and (polyamic acid or precursor)	28
<input type="checkbox"/>	L15	(polyimide gel or polyimide aerogel) and (sol gel process or method)	42
<input type="checkbox"/>	L14	polyimide foam and 521/82	6
<input type="checkbox"/>	L13	polyimide gel and 521/82	0
<input type="checkbox"/>	L12	polyimide aerogel and 521/82	0
<i>DB=USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L11	polyimide and carbon aerogel	10
<input type="checkbox"/>	L10	L9 and (supercritical co2 or supercritical carbon dioxide)	1
<input type="checkbox"/>	L9	polyimide gel	58
<input type="checkbox"/>	L8	L7 and (supercritical CO2 or supercritical carbon dioxide)	1
<input type="checkbox"/>	L7	polyimide aerogel	8
<i>DB=DWPI; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L6	polyimide aerogel and 521/82	0
<i>DB=USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L5	polyimide aerogel and 521/82	0
<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L4	polyimide aerogel and 521/82	1
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L3	L1 and (polyimide aerogel or polyimide gel)	0
<input type="checkbox"/>	L2	L1 and polyimide aerogel	0
<input type="checkbox"/>	L1	6670402.DID. or 6544648.did. or 6332990.did. or 5601938.did. or 5358802.did. or 5260855.did. or 4997804.did. or 5284519.did. or 5376209.did. or 5502156.did. or 5520960.did. or 5575955.did.	12

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Search Results - Record(s) 11 through 20 of 28 returned.

11. Document ID: US 5525405 A

L16: Entry 11 of 28

File: USPT

Jun 11, 1996

US-PAT-NO: 5525405

DOCUMENT-IDENTIFIER: US 5525405 A

TITLE: Adhesiveless aromatic polyimide laminate

DATE-ISSUED: June 11, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coverdell; Darrel E.	Amanda	OH		
Gumm; Harrison V.	Chillicothe	OH		
McAlees; Mark E.	Circleville	OH		

US-CL-CURRENT: 428/213; 428/215, 428/216, 428/220, 428/334, 428/473.5[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

12. Document ID: US 5411765 A

L16: Entry 12 of 28

File: USPT

May 2, 1995

US-PAT-NO: 5411765

DOCUMENT-IDENTIFIER: US 5411765 A

TITLE: Flexible multi-layer polyimide film laminates and preparation thereof

DATE-ISSUED: May 2, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kanakarajan; Kuppusamy	Dublin	OH		
Kreuz; John A.	Columbus	OH		

US-CL-CURRENT: 427/385.5; 427/340, 427/379, 427/388.1[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

13. Document ID: US 5298331 A

L16: Entry 13 of 28

File: USPT

Mar 29, 1994

US-PAT-NO: 5298331

DOCUMENT-IDENTIFIER: US 5298331 A

TITLE: Flexible multi-layer polyimide film laminates and preparation thereof

DATE-ISSUED: March 29, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kanakarajan; Kuppusamy	Dublin	OH		
Kreuz; John A.	Columbus	OH		

US-CL-CURRENT: 428/458; 428/473.5[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Search](#) | [Advanced Search](#) | [Claims](#) | [KWMC](#) | [Drawn D](#) 14. Document ID: US 5272194 A

L16: Entry 14 of 28

File: USPT

Dec 21, 1993

US-PAT-NO: 5272194

DOCUMENT-IDENTIFIER: US 5272194 A

TITLE: Process for preparing a strengthened polyimide film containing organometallic compounds for improving adhesion

DATE-ISSUED: December 21, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arduengo, III; Anthony J.	Wilmington	DE		
Ray; Yia C.	Columbus	OH		

US-CL-CURRENT: 524/177; 428/458, 428/473.5, 524/178[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Search](#) | [Advanced Search](#) | [Claims](#) | [KWMC](#) | [Drawn D](#) 15. Document ID: US 5260413 A

L16: Entry 15 of 28

File: USPT

Nov 9, 1993

US-PAT-NO: 5260413

DOCUMENT-IDENTIFIER: US 5260413 A

TITLE: Coated, heat-sealable aromatic polyimide film having superior compressive strength

DATE-ISSUED: November 9, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ochsner; James P.	Wilmington	DE		
Parish; Darrell J.	Circleville	OH		

US-CL-CURRENT: 528/353; 428/323, 428/328, 428/379, 428/473.5, 528/125, 528/126,
528/128, 528/170, 528/172, 528/173, 528/185, 528/188, 528/220, 528/229, 528/350

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

16. Document ID: US 5231162 A

L16: Entry 16 of 28

File: USPT

Jul 27, 1993

US-PAT-NO: 5231162

DOCUMENT-IDENTIFIER: US 5231162 A

TITLE: Polyamic acid having three-dimensional network molecular structure, polyimide obtained therefrom and process for the preparation thereof

DATE-ISSUED: July 27, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nagata; Yasuhisa	Shizuoka			JP

US-CL-CURRENT: 528/353; 528/125, 528/126, 528/128, 528/170, 528/172, 528/173,
528/179, 528/183, 528/185, 528/187, 528/188, 528/220, 528/229, 528/342, 528/348,
528/351

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

17. Document ID: US 5227244 A

L16: Entry 17 of 28

File: USPT

Jul 13, 1993

US-PAT-NO: 5227244

DOCUMENT-IDENTIFIER: US 5227244 A

TITLE: Polyimide film with metal salt coating resulting in improved adhesion

DATE-ISSUED: July 13, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Milligan; Stuart N.	Circleville	OH		

US-CL-CURRENT: 428/458; 428/473.5

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Search](#) | [Advanced Search](#) | [Claims](#) | [KWMC](#) | [Drawn D.](#)

18. Document ID: US 5218034 A

L16: Entry 18 of 28

File: USPT

Jun 8, 1993

US-PAT-NO: 5218034

DOCUMENT-IDENTIFIER: US 5218034 A

TITLE: Polyimide film with tin or tin salt incorporation resulting in improved adhesion

DATE-ISSUED: June 8, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Milligan; Stuart N.	Circleville	OH		
Ray; Yia-Ching	Columbus	OH		

US-CL-CURRENT: 524/399; 524/401, 524/434

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Search](#) | [Advanced Search](#) | [Claims](#) | [KWMC](#) | [Drawn D.](#)

19. Document ID: US 5202446 A

L16: Entry 19 of 28

File: USPT

Apr 13, 1993

US-PAT-NO: 5202446

DOCUMENT-IDENTIFIER: US 5202446 A

TITLE: Fluoridated monomers based on 9-phenyl-9-perfluoroalkylxanthene

DATE-ISSUED: April 13, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Trofimenko; Swiatoslaw	Wilmington	DE		

US-CL-CURRENT: 549/391; 549/234, 549/235, 549/390

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Search](#) | [Advanced Search](#) | [Claims](#) | [KWMC](#) | [Drawn D.](#)

20. Document ID: US 5189138 A

L16: Entry 20 of 28

File: USPT

Feb 23, 1993

US-PAT-NO: 5189138

DOCUMENT-IDENTIFIER: US 5189138 A

TITLE: Compounds, monomers, and polymers based on perfluoroalkyl and perfluoroalkyl-aryl dioxapentacene

DATE-ISSUED: February 23, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Trofimenko; Swiatoslaw	Wilmington	DE		
Auman; Brian C.	Newark	DE		

US-CL-CURRENT: 528/183; 528/125, 528/170, 528/172, 528/173, 528/176, 528/185, 528/188, 528/190, 528/191, 528/329.1, 528/350, 528/353, 549/234, 549/382

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Term	Documents
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ACIDS	367447
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PRECURSORS	61876
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(L15 AND (POLYAMIC ACID OR PRECURSOR)).USPT.	28

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<input type="checkbox"/>	L15	(polyimide gel or polyimide aerogel) and (sol gel process or method)	42
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<input type="checkbox"/>	L13	polyimide gel and 521/82	0
<input type="checkbox"/>	L12	polyimide aerogel and 521/82	0
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<input type="checkbox"/>	L10	L9 and (supercritical co2 or supercritical carbon dioxide)	1
<input type="checkbox"/>	L9	polyimide gel	58
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<input type="checkbox"/>	L7	polyimide aerogel	8
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<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
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<input type="checkbox"/>	L1	6670402.DID. or 6544648.did. or 6332990.did. or 5601938.did. or 5358802.did. or 5260855.did. or 4997804.did. or 5284519.did. or 5376209.did. or 5502156.did. or 5520960.did. or 5575955.did.	12

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Search Results - Record(s) 1 through 10 of 12 returned.

1. Document ID: US 6670402 B1

L1: Entry 1 of 12

File: USPT

Dec 30, 2003

US-PAT-NO: 6670402

DOCUMENT-IDENTIFIER: US 6670402 B1

TITLE: Rapid aerogel production process

DATE-ISSUED: December 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Kang P.	Sudbury	MA		
Begag; Redouane	Marlboro	MA		
Altiparmakov; Zlatko	Shrewsbury	MA		

US-CL-CURRENT: 516/111; 34/405, 34/413, 423/338, 501/12, 516/102, 516/104, 516/99

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Image](#) [List](#) [Claims](#) [KMC](#) [Drawn D](#)

2. Document ID: US 6544648 B1

L1: Entry 2 of 12

File: USPT

Apr 8, 2003

US-PAT-NO: 6544648

DOCUMENT-IDENTIFIER: US 6544648 B1

** See image for Certificate of Correction **

TITLE: Consolidated amorphous carbon materials, their manufacture and use

DATE-ISSUED: April 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nesbitt; Carl C.	Hancock	MI		
Sun; Xiaowei	Houghton	MI		

US-CL-CURRENT: 428/408; 502/416, 502/423

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Image](#) [List](#) [Claims](#) [KMC](#) [Drawn D](#)

3. Document ID: US 6332990 B1

L1: Entry 3 of 12

File: USPT

Dec 25, 2001

US-PAT-NO: 6332990

DOCUMENT-IDENTIFIER: US 6332990 B1

TITLE: Method for fabricating composite carbon foam

DATE-ISSUED: December 25, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mayer; Steven T.	San Leandro	CA		
Pekala; Richard W.	Pleasant Hill	CA		
Kaschmitter; James L.	Pleasanton	CA		

US-CL-CURRENT: 252/502; 252/503, 423/445R, 429/44, 502/180, 502/182

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawn D.
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 4. Document ID: US 5601938 A

L1: Entry 4 of 12

File: USPT

Feb 11, 1997

US-PAT-NO: 5601938

DOCUMENT-IDENTIFIER: US 5601938 A

TITLE: Carbon aerogel electrodes for direct energy conversion

DATE-ISSUED: February 11, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mayer; Steven T.	San Leandro	CA		
Kaschmitter; James L.	Pleasanton	CA		
Pekala; Richard W.	Pleasant Hill	CA		

US-CL-CURRENT: 429/40; 429/46, 502/402, 502/416

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawn D.
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 5. Document ID: US 5575955 A

L1: Entry 5 of 12

File: USPT

Nov 19, 1996

US-PAT-NO: 5575955

DOCUMENT-IDENTIFIER: US 5575955 A

TITLE: Electrically conductive polyimide film containing gold (III) ions, composition, and process of making

DATE-ISSUED: November 19, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Caplan; Maggie L.	Sun City West	AZ		
Stoakley; Diane M.	Poquoson	VA		
St. Clair; Anne K.	Poquoson	VA		

US-CL-CURRENT: 252/514; 106/403, 427/125, 427/126.5

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KOMC](#) | [Drawn D](#)

6. Document ID: US 5520960 A

L1: Entry 6 of 12

File: USPT

May 28, 1996

US-PAT-NO: 5520960

DOCUMENT-IDENTIFIER: US 5520960 A

TITLE: Electrically conductive polyimides containing silver trifluoroacetylacetone

DATE-ISSUED: May 28, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rancourt; James D.	Blacksburg	VA		
Stoakley; Diane M.	Poquoson	VA		
Caplan; Maggie L.	Sun City West	AZ		
St. Clair; Anne K.	Poquoson	VA		
Taylor; Larry T.	Blacksburg	VA		

US-CL-CURRENT: 427/385.5; 427/126.1, 427/58

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KOMC](#) | [Drawn D](#)

7. Document ID: US 5502156 A

L1: Entry 7 of 12

File: USPT

Mar 26, 1996

US-PAT-NO: 5502156

DOCUMENT-IDENTIFIER: US 5502156 A

TITLE: Electrically conducting polyimide film containing tin complexes

DATE-ISSUED: March 26, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
St. Clair; Anne K.	Poquoson	VA		
Ezzell; Stephen A.	Woodbury	MN		
Taylor; Larry T.	Blacksburg	VA		
Boston; Harold G.	Newport News	VA		

US-CL-CURRENT: 528/353; 427/162, 427/407.1, 427/58, 528/170, 528/172, 528/173,
528/176, 528/183, 528/185, 528/188, 528/271, 528/274, 528/283, 528/310

Full | Title | Citation | Front | Review | Classification | Date | Reference | | Claims | KMC | Drawn D...

 8. Document ID: US 5376209 A

L1: Entry 8 of 12

File: USPT

Dec 27, 1994

US-PAT-NO: 5376209

DOCUMENT-IDENTIFIER: US 5376209 A

TITLE: Process for preparing an assembly of an article and a polyimide which resists dimensional change, delamination and debonding when exposed to changes in temperature

DATE-ISSUED: December 27, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stoakley; Diane M.	Poquoson	VA		
St. Clair; Anne K.	Poquoson	VA		

US-CL-CURRENT: 156/330.9; 156/60, 427/207.1, 427/430.1, 427/99.4

Full | Title | Citation | Front | Review | Classification | Date | Reference | | Claims | KMC | Drawn D...

 9. Document ID: US 5358802 A

L1: Entry 9 of 12

File: USPT

Oct 25, 1994

US-PAT-NO: 5358802

DOCUMENT-IDENTIFIER: US 5358802 A

TITLE: Doping of carbon foams for use in energy storage devices

DATE-ISSUED: October 25, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mayer; Steven T.	San Leandro	CA		
Pekala; Richard W.	Pleasant Hill	CA		
Morrison; Robert L.	Modesto	CA		

Kaschmitter; James L.

Pleasanton

CA

US-CL-CURRENT: 429/231.8; 252/502, 423/445R

Full	Title	Citation	Front	Review	Classification	Date	Reference	Print	Ref ID	Claims	KWIC	Drawn D.
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 10. Document ID: US 5284519 A

L1: Entry 10 of 12

File: USPT

Feb 8, 1994

US-PAT-NO: 5284519

DOCUMENT-IDENTIFIER: US 5284519 A

TITLE: Inverted diffuser stagnation point flow reactor for vapor deposition of thin films

DATE-ISSUED: February 8, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gadgil; Prasad N.	Burnaby			CA

US-CL-CURRENT: 118/719; 118/715, 118/725, 118/728

Full	Title	Citation	Front	Review	Classification	Date	Reference	Print	Ref ID	Claims	KWIC	Drawn D.
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Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: US 20040132845 A1

Using default format because multiple data bases are involved.

L4: Entry 1 of 1

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040132845

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040132845 A1

TITLE: Polyimide aerogels, carbon aerogels, and metal carbide aerogels and methods of making same

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rhine, Wendell	Belmont	MA	US	
Wang, Jing	Amherst	MA	US	
Begag, Redouane	Hudson	MA	US	

US-CL-CURRENT: 521/82

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawn D.
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POLYIMIDES	23192
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AEROGELS	2689
521/82	678
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Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: AU 2003261238 A1, WO 2004009673 A1, US 20040132845 A1

Using default format because multiple data bases are involved.

L8: Entry 1 of 1

File: DWPI

Feb 9, 2004

DERWENT-ACC-NO: 2004-143274

DERWENT-WEEK: 200450

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TITLE: Production of polyimide aerogel for carbon aerogel, involves contacting diamine and aromatic dianhydride monomers in solvent, contacting resulting poly(amic acid) with dehydrating agent, and drying resulting polyimide gel

INVENTOR: BEGAG, R; WANG, J ; WENDALL, R ; RHINE, W

PRIORITY-DATA: 2002US-397894P (July 22, 2002), 2003US-0625501 (July 22, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 2003261238 A1	February 9, 2004		000	C08G073/10
WO 2004009673 A1	January 29, 2004	E	058	C08G073/10
US 20040132845 A1	July 8, 2004		000	C08J009/00

INT-CL (IPC): B01 J 13/00; C08 G 73/10; C08 J 9/00; C08 J 9/28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Drawn D
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CARBONS	55431
DIOXIDE	344267
DIOXIDES	4871
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ADJ CARBON ADJ DIOXIDE))).USPT,EPAB,JPAB,DWPI.		1
(L7 AND (SUPERCritical CO2 OR SUPERCritical CARBON DIOXIDE)).USPT,EPAB,JPAB,DWPI.		1

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1. Document ID: US 6619538 B1

Using default format because multiple data bases are involved.

L7: Entry 1 of 8

File: USPT

Sep 16, 2003

US-PAT-NO: 6619538

DOCUMENT-IDENTIFIER: US 6619538 B1

TITLE: Nickel plating process having controlled hydrogen concentration

DATE-ISSUED: September 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Test; Howard R.	Plano	TX		
Klonis; Homer B.	Dallas	TX		

US-CL-CURRENT: 228/208; 228/180.5, 228/4.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw. Ds
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2. Document ID: US 6534327 B2

L7: Entry 2 of 8

File: USPT

Mar 18, 2003

US-PAT-NO: 6534327

DOCUMENT-IDENTIFIER: US 6534327 B2

TITLE: Method for reworking metal layers on integrated circuit bond pads

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stierman; Roger J.	Dallas	TX		
Moore; Thomas M.	Dallas	TX		
Shinn; Gregory B.	Dallas	TX		

US-CL-CURRENT: 438/4; 257/E21.174, 257/E21.508

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw. Ds
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3. Document ID: US 6448650 B1

L7: Entry 3 of 8

File: USPT

Sep 10, 2002

US-PAT-NO: 6448650

DOCUMENT-IDENTIFIER: US 6448650 B1

TITLE: Fine pitch system and method for reinforcing bond pads in semiconductor devices

DATE-ISSUED: September 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Saran; Mukul	Richardson	TX		
Martin; Charles A.	Melissa	TX		
Cox; Ronald H.	Plano	TX		

US-CL-CURRENT: 257/758; 257/750, 257/763, 257/773, 257/774, 257/775, 257/786,
257/E23.02

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Drawn D
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 4. Document ID: US 6435398 B2

L7: Entry 4 of 8

File: USPT

Aug 20, 2002

US-PAT-NO: 6435398

DOCUMENT-IDENTIFIER: US 6435398 B2

TITLE: Method for chemically reworking metal layers on integrated circuit bond pads

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hartfield; Cheryl	McKinney	TX		
Moore; Thomas M.	Dallas	TX		

US-CL-CURRENT: 228/103; 228/119, 257/E21.508, 257/E21.525

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Drawn D
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 5. Document ID: US 5789319 A

L7: Entry 5 of 8

File: USPT

Aug 4, 1998

US-PAT-NO: 5789319

DOCUMENT-IDENTIFIER: US 5789319 A

TITLE: Method of dual masking for selective gap fill of submicron interconnects

DATE-ISSUED: August 4, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Havemann; Robert H.	Garland	TX		
Stoltz; Richard A.	Plano	TX		

US-CL-CURRENT: 438/668; 257/E21.576, 438/669, 438/763, 438/778, 438/780

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

6. Document ID: US 5786624 A

L7: Entry 6 of 8

File: USPT

Jul 28, 1998

US-PAT-NO: 5786624

DOCUMENT-IDENTIFIER: US 5786624 A

TITLE: Dual masking for selective gap fill of submicron interconnects

DATE-ISSUED: July 28, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Havemann; Robert H.	Garland	TX		
Stoltz; Richard A.	Plano	TX		

US-CL-CURRENT: 257/635; 257/638, 257/E21.576

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

7. Document ID: WO 2004009673 A1

L7: Entry 7 of 8

File: EPAB

Jan 29, 2004

PUB-NO: WO2004009673A1

DOCUMENT-IDENTIFIER: WO 2004009673 A1

TITLE: POLYIMIDE AEROGELS, CARBON AEROGELS, AND METAL CARBIDE AEROGELS AND METHODS OF MAKING SAME

PUBN-DATE: January 29, 2004

INVENTOR-INFORMATION:

NAME	COUNTRY
WENDALL, RHINE	US
WANG, JING	US
BEGAG, REDOUANE	US

INT-CL (IPC): C08 G 73/10; C08 J 9/28; B01 J 13/00
 EUR-CL (EPC): B01J013/00; C08G073/10

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Search](#) | [Advanced Search](#) | [Claims](#) | [KWMC](#) | [Drawn D.](#)

8. Document ID: AU 2003261238 A1, WO 2004009673 A1, US 20040132845 A1

L7: Entry 8 of 8

File: DWPI

Feb 9, 2004

DERWENT-ACC-NO: 2004-143274

DERWENT-WEEK: 200450

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TITLE: Production of polyimide aerogel for carbon aerogel, involves contacting diamine and aromatic dianhydride monomers in solvent, contacting resulting poly(amic acid) with dehydrating agent, and drying resulting polyimide gel

INVENTOR: BEGAG, R; WANG, J ; WENDALL, R ; RHINE, W

PRIORITY-DATA: 2002US-397894P (July 22, 2002), 2003US-0625501 (July 22, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>AU 2003261238 A1</u>	February 9, 2004		000	C08G073/10
<u>WO 2004009673 A1</u>	January 29, 2004	E	058	C08G073/10
<u>US 20040132845 A1</u>	July 8, 2004		000	C08J009/00

INT-CL (IPC): B01 J 13/00; C08 G 73/10; C08 J 9/00; C08 J 9/28

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Search](#) | [Advanced Search](#) | [Claims](#) | [KWMC](#) | [Drawn D.](#)

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Term	Documents
POLYIMIDE	99516
POLYIMIDES	20985
AEROGEL	4327
AEROGELS	2198
(POLYIMIDE ADJ AEROGEL).USPT,EPAB,JPAB,DWPI.	8
(POLYIMIDE AEROGEL).USPT,EPAB,JPAB,DWPI.	8

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1. Document ID: AU 2003261238 A1, WO 2004009673 A1, US 20040132845 A1

Using default format because multiple data bases are involved.

L10: Entry 1 of 1

File: DWPI

Feb 9, 2004

DERWENT-ACC-NO: 2004-143274

DERWENT-WEEK: 200450

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Production of polyimide aerogel for carbon aerogel, involves contacting diamine and aromatic dianhydride monomers in solvent, contacting resulting poly(amic acid) with dehydrating agent, and drying resulting polyimide gel

INVENTOR: BEGAG, R; WANG, J ; WENDALL, R ; RHINE, W

PRIORITY-DATA: 2002US-397894P (July 22, 2002), 2003US-0625501 (July 22, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 2003261238 A1	February 9, 2004		000	C08G073/10
WO 2004009673 A1	January 29, 2004	E	058	C08G073/10
US 20040132845 A1	July 8, 2004		000	C08J009/00

INT-CL (IPC): B01 J 13/00; C08 G 73/10; C08 J 9/00; C08 J 9/28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw. D
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Term	Documents
SUPERCRITICAL	14928
SUPERCRITICALS	0
CO2	51951
CO2S	1
CARBON	1065181
CARBONS	55431
DIOXIDE	344267
DIOXIDES	4871
(9 AND ((SUPERCRITICAL ADJ CO2) OR (SUPERCRITICAL	

ADJ CARBON ADJ DIOXIDE))).USPT,EPAB,JPAB,DWPI.		1
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